## 10/590233 IAP9 Rec'd PCT/PTO 22 AUG 2006 PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Yota MIZUNO, et al.

Group Art Unit : (Unassigned)

Application No. : (Natl. Phase of PCT/JP2005/003554)

Examiner : (Unassigned)

Filed : (Herewith)

Docket No. : 77792/49

For : COMPOSITE GEAR AND METHOD OF

MANUFACTURING THE SAME

## **INFORMATION DISCLOSURE STATEMENT**

COMMISSIONER FOR PATENTS
Customer Service Window
Randolph Bldg.
401 Dulany Street
Alexandria, VA 22314

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). The paragraphs marked below are applicable. It is believed that no fees other than those indicated below are due, but authorization is hereby given to charge any additional fees due, or to credit any overpayment, to deposit account 11-0600.

	1.	This Information Disclosure Statement is being filed (a) within three
mon	ths of th	ne filing date of a national application other than a continued prosecution
appli	ication (	under 37 C.F.R. §1.53(d), (b) within three months of the date of entry of
the r	national	stage as set forth in 37 C.F.R. § 1.491 in an international application, (c)
befo	re the n	nailing date of a first Office Action on the merits in the present
appli	ication,	OR (d) before the mailing of a first office action after filing of a request
for c	ontinue	d examination. No certification or fee is required.

	2.	This	Informat	ion Dis	closure	Stater	ment is	being f	iled r	more	than t	:hree
month	s after	the U	I.S. filing	date A	ND afte	r the r	nailing o	date of	the f	first C	office A	<b>Action</b>

AP9 Rec'd PCTP10 22 AUG 2006 on the merits, but before the mailing date of a final action, Notice of Allowance, or any action that otherwise closes prosecution.

	foreig	a. I hereby certify that each item of information contained in this ation Disclosure Statement was first cited in any communication from a patent office in a counterpart foreign application not more than three sprior to the filing of this Information Disclosure Statement. 37 CFR e)(1).
	office reaso §1.56	b. I hereby certify that no item of information in this Information sure Statement was cited in a communication from a foreign patent in a counterpart foreign application or, to my knowledge after making able inquiry, was known to any individual designated in 37 CFR c) more than three months prior to the filing of this Information sure Statement. 37 CFR §1.97(e)(2).
	of the	c. Please debit Deposit Account No. <u>11-0600</u> in the amount of 0 in payment of the fee under 37 CFR §1.17(p) to ensure consideration disclosed information. Two duplicate copies of this paper are attached. R §1.97(c)(2).
oroseo hat th Accou 37 CF	cution, ne Infor int No. R §1.1	This Information Disclosure Statement is being filed after the mailing action, Notice of Allowance or an action that otherwise closes out before payment of the Issue Fee. Applicant(s) hereby request(s) nation Disclosure Statement be considered. Please debit Deposit 1-0600 in the amount of \$180.00 in payment of the petition fee under (p) to ensure consideration of the disclosed information. Two duplicate paper are attached.
	foreig	a. I hereby certify that each item of information contained in this ation Disclosure Statement was first cited in any communication from a patent office in any counterpart foreign application not more than three sprior to the filing of this Information Disclosure Statement. 37 CFR e)(1).
	office reaso §1.56	I hereby certify that no item of information in this Information ture Statement was cited in a communication from a foreign patent in a counterpart foreign application or, to my knowledge after making able inquiry, was known to any individual designated in 37 CFR by more than three months prior to the filing of this Information ture Statement. 37 CFR §1.97(e)(2).
□ presei	4. nt spec	Relevance of the non-English language reference(s) is discussed in the fication.
		The reference(s) was/were cited in a counterpart foreign application. nguage version of the foreign search report is attached for the formation.
□ efere	6. nce(s)	A concise explanation of the relevance of certain non-English language ppears in the Appendix attached hereto.
⊐ Applic	7. ation N	The Examiner's attention is directed to co-pending U.S. Patent  o, filed, which is directed to related technical subject

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matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination of the present application.

	8.	This application is one of a series of related applications, identified in
the a	attached	Appendix, which are directed to related technical subject matter. The
iden	tification	of those U.S. Patent Applications is not to be construed as a waiver of
a pa	tent. Th	those applications now or upon issuance of the present application as Examiner is respectfully requested to consider the cited applications ted therein during the examination.

	9.	The reference	e(s) was/w	ere cited by	or submitted	I to the Office	in parent
applica	ation N	0	, filed	,	which is relie	d upon for ar	n earlier
filing d	ate und	der 35 U.S.C.	§120. Th	us, copies o	f these refere	ences are not	attached.
37 CF	R §1.98	3(d).	-				

- ☑ 10. English-language Abstracts of the non-English language references are attached hereto.
- ☐ 11. Copies of U.S. references are not required.
- ☑ 12. Other: The first four of the references were cited in the International Search Report, a copy of which is enclosed. JP 63-87344 and JP 6-114672 are described in the specification on page 1.

Respectfully submitted,

Date: 22 August 2006

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Substitute for form 1449A/PTO					Complete if Known			
					Application Number	(Natl. phase of PCT/JP05/003554)		
	INFO	<b>RMATIO</b>	n dis	CLOSURE	Filing Date	(Herewith)		
STATEMENT BY APPLICANT				PPLICANT	First Named Inventor	Yota MIZUNO		
					Art Unit	(Unassigned)		
		(Use as many	sheets as	necessary)	Examiner Name	(Unassigned)		
	Sheet	1	of	1	Attorney Docket Number	77792/49		

-	U.S. PATENT DOCUMENTS						
Examiner	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
Initials *	No.1	Number - Kind Code <sup>2</sup> (if known)		Cited Document	Passages or Relevant Figures Appear		
-		,					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> – Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>®</sup>		
/VJ/	1	JP 1-102558	07/11/89	MITSUBISHI HEAVY INDUSTRIES, LTD.		ABS		
/VJ/	2	JP 54-121146	08/24/79	KOMATSU LTD		ABS		
/VJ/	3	JP 5-19706	03/12/93	SEIREI INDUSTRY CO., LTD. NIHON PLAST CO LTD		ABS		
/VJ/	4	JP63-034285	02/13/88	NIHON PLAST CO LTD		ABS		
/VJ/	5	JP 63-87344	06/07/88	MITSUBISHI ELECTRIC CORP.		ABS		
/VJ/	6	JP 6-114672	04/26/94	MATSURA TEKKOSHO KK		ABS		

Examiner Signature	/Vicky Johnson/	Date Considered	02/24/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if

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